

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

**INTELLECTUAL PROPERTY LAW**  
**8110 GATEHOUSE ROAD**  
**SUITE 500 EAST**  
**FALLS CHURCH, VA 22042-1210**  
**USA**

(703) 205-8000

FAX: (703) 205-8050  
(703) 698-8590 (G IV)

e-mail: mailroom@bskb.com  
web: http://www.bskb.com

**CALIFORNIA OFFICE**  
**COSTA MESA, CALIFORNIA**

JAMES T. ELLER, JR.  
SCOTT L. LOWE  
D. RICHARD ANDERSON  
PAUL C. LEWIS  
MARK W. MILSTEAD\*  
RICHARD J. GALLAGHER  
JAYNE M. SAYDAH\*  
MARYANNE ARMSTRONG, PH.D.  
KECIA J. REYNOLDS  
ROBERT L. SCOTT, II  
KALPANA REDDY  
LARRY J. HUME

REG. PATENT AGENTS:  
FREDERICK R. HANDREN  
MAKI HATSUMI  
CRAIG A. McROBBIE  
GARTH M. DAHLEN, PH.D.  
ROBERT E. GOOZNER, PH.D.  
MATTHEW J. LATTIG  
TIMOTHY R. WYCKOFF  
KRISTI L. RUPERT, PH.D.  
HAYR A. SAYADIAN, PH.D.  
MATTHEW T. SHANLEY  
JASON W. RHODES  
CHRISTINA F. ANNICCHIO  
SUSAN W. GORMAN, PH.D.  
DAVID J. CHO

TERRELL C. BIRCH  
RAYMOND C. STEWART  
JOSEPH A. KOLASCH  
JAMES M. SLATTERY  
BERNARD L. SWEENEY\*  
MICHAEL K. MUTTER  
CHARLES GORENSTEIN  
HERALD M. MURPHY, JR.  
LEONARD R. SVENSSON  
TERRY L. CLARK  
ANDREW D. MEIKLE  
MARC S. WEINER  
JOE MCKINNEY MUNCY  
ROBERT J. KENNEY  
DONALD J. DALEY  
JOHN W. BAILEY  
JOHN A. CASTELLANO  
GARY D. YACURA  
THOMAS S. AUCHTERLONIE  
MARK J. NUEL, PH.D.

OF COUNSEL:  
HERBERT M. BIRCH (1905-1996)  
ELLIOT A. GOLDBERG\*  
WILLIAM L. GATES\*  
EDWARD H. VALANCE  
RUPERT J. BRADY (RET.)\*  
F. PRINCE BUTLER  
FRED S. WHISENHUNT  
JAMES W. HELLWEGE

\*ADMITTED TO A BAR OTHER THAN VA.

Date: October 10, 2001

Docket No.: 3430-0168P

Assistant Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): CHAE, Gee-Sung

For: THIN FILM TRANSISTOR ARRAY SUBSTRATE FOR LIQUID CRYSTAL  
DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME

Enclosed are:

- ☒ A specification consisting of 31 pages
- ☒ 13 sheet(s) of FORMAL drawings
- ☒ An assignment of the invention - \$40.00 Recording Fee
- ☒ Certified copy of Priority Document(s)
- ☒ Executed Declaration ☐ Original ☒ Photocopy
- ☐ Applicant claims small entity status in accordance with 37 CFR 1.27
- ☐ Application Data Sheet in accordance with 37 C.F.R. 1.76

☐ Preliminary Amendment  
☐ Information Disclosure Statement, PTO-1449 and reference(s)  
☐ Other \_\_\_\_\_  
☐ Applicant requests early publication

The filing fee has been calculated as shown below:

LARGE ENTITY				SMALL ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE	FEE	
BASIC FEE	***** ***** *****	***** ***** *****	***** ***** *****	\$740.00	or
TOTAL CLAIMS	27 - 20 =	7	x18 = \$	126.00	or
INDEPENDENT	4 - 3 =	1	x84 = \$	84.00	or
MULTIPLE DEPENDENT CLAIM PRESENTED	<u>no</u>		+280 = \$	0.00	or
TOTAL \$				950.00	TOTAL \$
					0.00

X A check in the amount of \$ 990.00 to cover the filing fee and recording fee (if applicable) is enclosed.

\_\_\_\_ Please charge Deposit Account No. 02-2448 in the amount of \$\_\_\_\_\_. A triplicate copy of this transmittal form is enclosed.

No fee is enclosed.

Please send correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 2292  
P.O. Box 747  
Falls Church, VA 22040-0747  
Telephone: (703) 205-8000

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. 1.16 or under 37 C.F.R. 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 

JOSEPH A. KOLASCH

Reg. No. 22,463

P. O. Box 747

Falls Church, Virginia 22040-0747

(703) 205-8000

JAK/sll

FOR "E362260"